Sidewinder™ Tube Skimmer Gear Replacement Instructions
April 2018

Step 1: Remove the tube cartridge from the skimmer assembly.
Step 2: Position the cartridge so the tube is facing you and the ceramic washer is on the left. Refer to Figure A.
Step 3: Remove the four flat head screws.
Step 4: Holding the cartridge securely, flip it over so the white ceramic scraper is on the right. Place the cartridge on a flat surface and separate cartridge halves. Do this with caution as the interior of the cartridge contains grease. Refer to Figure B.
Step 5: The drive gear is on the left side of the cartridge. Remove the old gear and install the new drive gear, be certain the drive gear is pin side down (see circular markings around the inner part of the gear - figure C1 shows pin side. Place gear pin side down). Refer to Figure C1 and C2.
Step 6: Replace the upper cartridge half. Refer to Figure D.
Step 7: Hold cartridge securely and flip. Refasten the cartridge by replacing the four screws from step 2. Do NOT overtighten, torque to 9 in. lbs. only. Refer to Figure E1 and E2.
Step 8: Reinstall the tube cartridge onto the skimmer assembly.

Figure A  Figure B  Figure C1  Figure C2
Figure D  Figure E1  Figure E2

Please contact us if you need any assistance!

PO Box 39185 Solon, OH 44139 • www.ZebraSkimmers.com • Toll Free 888.249.4855 Phone: 440.349.0141 Fax: 440.349.1211